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<i>Floyd And Jain Digital Fundamentals</i>	2019-11-27
BATES WINTERS	

Analog Fundamentals McGraw Hill Professional

Over the past 50 years, Meriam & Kraige's Engineering Mechanics: Statics has established a highly respected tradition of excellence—a tradition that emphasizes accuracy, rigor, clarity, and applications. Now in a Sixth Edition, this classic text builds on these strengths, adding a comprehensive course management system, Wiley Plus, to the text, including an e-text, homework management, animations of concepts, and additional teaching and learning resources. New sample problems, new homework problems, and updates to content make the book more accessible. The Sixth Edition continues to provide a wide variety of high quality problems that are known for their accuracy, realism, applications, and variety motivating students to learn and develop their problem solving skills. To build necessary visualization and problem-solving skills, the Sixth Edition continues to offer comprehensive coverage of drawing free body diagrams— the most important skill needed to solve mechanics problems.

SWITCHING THEORY AND LOGIC DESIGN John Wiley & Sons

For courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. Digital Design, fifth edition is a modern update of the classic authoritative text on digital design. This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications.

Digital Design with RTL Design, VHDL, and Verilog John Wiley & Sons

This book provides an exceptionally clear introduction to DC/AC circuits supported by superior exercises, examples, and illustrations—and an emphasis on troubleshooting and applications. It features an exciting full color format which uses color to enhance the instructional value of photographs, illustrations, tables, charts, and graphs. Throughout the book's coverage, the use of mathematics is limited to only those concepts that are needed for understanding. Floyd's acclaimed troubleshooting emphasis, as always, provides learners with the problem solving experience they need for a successful career in electronics. Chapter topics cover components, quantities and units; voltage, current, and resistance; Ohm's Law; energy and power; series circuits; parallel circuits; series-parallel circuits; circuit theorems and conversions; branch, mesh, and node analysis; magnetism and electromagnetism; an introduction to alternating current and voltage; phasors and complex numbers; capacitors; inductors; transformers; RC circuits; RL circuits; RLC circuits and resonance; basic filters; circuit theorems in AC analysis; pulse response of reactive circuits; and polyphase systems in power applications. For electronics technicians, electronics teachers, and electronics hobbyists.

Principles of Analog Electronics Prentice Hall

Market_Desc: · Undergraduate and graduate level students of different universities Special Features: · Each chapter in the book, whether it is related to operational fundamentals or applications, is amply illustrated with diagrams and design examples· Each chapter concludes in a comprehensive self-evaluation exercise comprising multiple-choice questions (with answers) and other type of objective type questions (with answers)· Unlike most of the books in print on the subject that are either too brief, lacking in illustrated examples and examination-oriented study material, or too voluminous, containing lot of redundant material, the book has been written keeping in mind the topics taught in the subject and covers in entirety what is required by undergraduate and graduate level students of engineering in electrical, electronics, instrumentation and control, computer science and information technology disciplines About The Book: Digital Electronics is a precise and yet complete book covering both Digital Electronics Fundamentals and Integrated Circuits. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. Each chapter in the book is amply illustrated with diagrams and design examples. Each chapter concludes in a comprehensive self-evaluation exercise comprising multiple-choice and objective type questions (with answers). The book has up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, and microcontrollers. This valuable reference book provides in-depth information about multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits.

Modern Digital Electronics Workman Publishing Company

In the real world, most signals are analog, spanning continuously varying values. Circuits that interface with the physical environment need to be able to process these signals. Principles of Analog Electronics introduces the fascinating world of analog electronics, where fields, circuits, signals and systems, and semiconductors meet. Drawing on the author's teaching experience, this richly illustrated, full-color textbook expertly blends theory with practical examples to give a clear understanding of how real electronic circuits work. Build from the Essentials of Math, Physics, and Chemistry to Electronic Components, Circuits, and Applications Building a solid foundation, the book first explains the mathematics, physics, and chemistry that are essential for grasping the principles behind the operation of electronic devices. It then examines the theory of circuits through models and important theorems. The book describes and analyzes passive and active electronic devices, focusing on fundamental filters and common silicon-based components, including diodes, bipolar junction transistors, and metal-oxide-semiconductor field-effect transistors (MOSFETs). It also shows how semiconductor devices are used to design electronic circuits such as rectifiers, power suppliers, clamper and clipper circuits, and amplifiers. A chapter explores actual applications, from audio amplifiers and FM radios to battery chargers. Delve Deeper into Analog Electronics through Curiosities, Key Personalities, and Practical Examples Each chapter includes helpful summaries with key points, jargon, and terms, as well as exercises to test your

knowledge. Practical tables illustrate the coding schemes to help identify commercial passive and active components. Throughout, sidebars highlight "curiosities," interesting observations, and examples that make the subject more concrete. This textbook offers a truly comprehensive introduction to the fundamentals of analog electronics, including essential background concepts. Taking a fresh approach, it connects electronics to its importance in daily life, from music to medicine and more.

Digital Fundamentals, 11th Edition by Pearson PHI Learning Pvt. Ltd.

The Use Of Digital Circuits Is Increasing In All Disciplines Of Engineering. Consequently Students Need To Have An In-Depth Knowledge On Them.

Digital Circuits And Design Is A Textbook Dealing With The Basics Of Digital Technology Including The Design Asp

Digital Design Pearson Academic

This comprehensive text on switching theory and logic design is designed for the undergraduate students of electronics and communication engineering, electrical and electronics engineering, electronics and instrumentation engineering, telecommunication engineering, computer science and engineering, and information technology. It will also be useful to AMIE, IETE and diploma students. Written in a student-friendly style, this book, now in its Second Edition, provides an in-depth knowledge of switching theory and the design techniques of digital circuits. Striking a balance between theory and practice, it covers topics ranging from number systems, binary codes, logic gates and Boolean algebra to minimization using K-maps and tabular method, design of combinational logic circuits, synchronous and asynchronous sequential circuits, and algorithmic state machines. The book discusses threshold gates and programmable logic devices (PLDs). In addition, it elaborates on flip-flops and shift registers. Each chapter includes several fully worked-out examples so that the students get a thorough grounding in related design concepts. Short questions with answers, review questions, fill in the blanks, multiple choice questions and problems are provided at the end of each chapter. These help the students test their level of understanding of the subject and prepare for examinations confidently. NEW TO THIS EDITION • VHDL programs at the end of each chapter • Complete answers with figures • Several new problems with answers

Renewable Energy Systems Pearson Education India

This book on "Basic Concepts in Digital Electronics and Logic Design" has been specially written to meet the requirements of the, Diploma-Tech.,M-Tech students and research scholar of all Indian universities. The subject matter has been discussed in such a simple way that the students will find no difficulty to understand it This Book has been designed to understand the Basic Concepts in Digital Electronics and Logic Design, to let students to understand the core concepts with examples. The objective of the book are to provide a clear explanation of the operations of all logic devices in general use on today and to impart knowledge of digital electronics. The text has been written in a style to enable students to self study. The text of the book is simple and lucid.Solved examples are provided throughout the book to assist the students to assimilate the material covered. Highlights are given at the end of almost each chapter.

All New Electronics Self-Teaching Guide Pearson

An eagerly anticipated, up-to-date guide to essential digital design fundamentals Offering a modern, updated approach to digital design, this much-needed book reviews basic design fundamentals before diving into specific details of design optimization. You begin with an examination of the low-levels of design, noting a clear distinction between design and gate-level minimization. The author then progresses to the key uses of digital design today, and how it is used to build high-performance alternatives to software. Offers a fresh, up-to-date approach to digital design, whereas most literature available is solely outdated Progresses though low levels of design, making a clear distinction between design and gate-level minimization Addresses the various uses of digital design today Enables you to gain a clearer understanding of applying digital design to your life With this book by your side, you'll gain a better understanding of how to apply the material in the book to real-world scenarios.

Digital Logic Design Pearson Education India

This book presents the basic concepts used in the design and analysis of digital systems and introduces the principles of digital computer organization and design.

Digital Systems: Principles and Design (For Anna University) KHANNA PUBLISHING HOUSE

This text provides optional computer analysis exercises in selected examples, troubleshooting sections, & applications assignments. It uses frank explanations & limits maths to only what's needed for understanding electric circuits fundamentals.

Computer Networking: A Top-Down Approach Featuring the Internet, 3/e Prentice Hall

Unlike books currently on the market, this book attempts to satisfy two goals: combine circuits and electronics into a single, unified treatment, and establish a strong connection with the contemporary world of digital systems. It will introduce a new way of looking not only at the treatment of circuits, but also at the treatment of introductory coursework in engineering in general. Using the concept of "abstraction," the book attempts to form a bridge between the world of physics and the world of large computer systems. In particular, it attempts to unify electrical engineering and computer science as the art of creating and exploiting successive abstractions to manage the complexity of building useful electrical systems. Computer systems are simply one type of electrical systems. +Balances circuits theory with practical digital electronics applications. +Illustrates concepts with real devices. +Supports the popular circuits and electronics course on the MIT OpenCourse Ware from which professionals worldwide study this new approach. +Written by two educators well known for their innovative teaching and research and their collaboration with industry. +Focuses on contemporary MOS technology.

Statics New Age International

Written by FBI insiders, this updated best-seller offers a look at the legal, procedural, and technical steps of incident response and computer forensics. Including new chapters on forensic analysis and remediation, and real-world case studies, this revealing book shows how to counteract and conquer today's hack attacks.

Digital Circuits And Design, 3E Pearson Education India

Part of the McGraw-Hill Core Concepts Series, Modern Digital Electronics is an ideal textbook for a course on digital electronics at the undergraduate level. The text introduces digital systems and techniques through a bottom-up approach that allows users to start out with the basics of integrated circuits/circuit design and delve into topics such as digital design, flip flops, A/D and D/A. The book then moves on to explore elements of complex digital circuits with material like FPGAs, PLDs, PLAs, and more. Rich pedagogical features include review questions with answers, a glossary of key terms, a large number of solved examples, and numerous practice problems. This is a concise, less expensive alternative to other digital logic designs. This series is edited by Dick Dorf.

Foundations of Analog and Digital Electronic Circuits Prentice Hall

Digital Systems: Principles and Design (For Anna University) is designed as an ideal textbook for students of electrical engineering. The book's coverage also meets the requirements of the Digital Electronics paper of the Electronics and Communication Engineering course, and of the Digital Principles and System Design paper of the Computer Science Engineering course. Spread across 18 chapters, the book covers digital fundamentals through worked-out examples and facilitates a firm understanding of the subject.

A Textbook of Electrical Technology - Volume II S. Chand Publishing

For almost 30 years, this book has been a classic text for electronics enthusiasts. Now completely updated for today's technology with easy explanations and presented in a more user-friendly format, this third edition helps you learn the essentials you need to work with electronic circuits. All you need is a general understanding of electronics concepts such as Ohm's law and current flow, and an acquaintance with first-year algebra. The question-and-answer format, illustrative experiments, and self-tests at the end of each chapter make it easy for you to learn at your own speed.

Linear Integrated Circuits Springer

Designed Primarily For Courses In Operational Amplifier And Linear Integrated Circuits For Electrical, Electronic, Instrumentation And Computer Engineering And Applied Science Students. Includes Detailed Coverage Of Fabrication Technology Of Integrated Circuits. Basic Principles Of Operational Amplifier, Internal Construction And Applications Have Been Discussed. Important Linear Ics Such As 555 Timer, 565 Phase-Locked Loop,

Linear Voltage Regulator Ics 78/79 Xx And 723 Series D-A And A-D Converters Have Been Discussed In Individual Chapters. Each Topic Is Covered In Depth. Large Number Of Solved Problems, Review Questions And Experiments Are Given With Each Chapter For Better Understanding Of Text. Salient Features Of Second Edition * Additional Information Provided Wherever Necessary To Improve The Understanding Of Linear Ics. * Chapter 2 Has Been Thoroughly Revised. * Dc & Ac Analysis Of Differential Amplifier Has Been Discussed In Detail. * The Section On Current Mirrors Has Been Thoroughly Updated. * More Solved Examples, Pspice Programs And Answers To Selected Problems Have Been Added.

Electronics Fundamentals Simon & Schuster Books For Young Readers

This book is designed to help readers obtain a thorough understanding of the basic principles of electric circuits. It provides a practical coverage of electric circuits (DC/AC) and an introduction to electronic devices that technician-level readers can readily understand. Well-illustrated and clearly written, the book contains a full-color layout that enhances visual interest and ease of use. This acclaimed book covers all the basics of DC and AC circuits. Safety tips, key terms, and a comprehensive set of appendices are included. An important reference tool for service shop technicians, industrial manufacturing technicians, laboratory technicians, field service technicians, engineering assistants and associate engineers, technical writers, and those in technical sales.

Hands-On Electronics Cambridge University Press

A multicolor edition of Vol. II of A Textbook of Electrical Technology to keep pace with the ever-increasing scope of essential and modern technical information, the syllabi are frequently revised. This often results in compressing established facts to accommodate recent information in the syllabi. Fields of power-electronics and industrial power-conditioners have grown considerably resulting in changed priority of topics related to electrical machines. Switched reluctance-motors tend to threaten the most popular squirrel-cage induction motors due to their increased ruggedness, better performance including controllability and equal ease with which they suit rotary as well as linear-motion-applications.

Digital Logic Design (gtu) McGraw-Hill Science, Engineering & Mathematics

For courses in Introductory Renewable Systems, Environmental Studies, and Solar, Wind, and Geothermal Energy Renewable Energy Systems is an introductory text that offers broad coverage of all major renewable energy systems, resources, and related topics, such as wind turbines, solar energy, biomass, geothermal energy, water related power generation, fuel cells and generators. The text provides students the detailed, accessible overview needed to understand the breadth of renewable energy technologies and materials. Accessible presentation. Chapter and section openers, margin features, and clear presentation of physics and mathematics help students learn the subject matter. Applied practice. Section check-ups, worked examples, and coverage of key technologies show how technologies and materials are applied. Visually engaging. The text is loaded with illustrations, original drawings, and photographs in full colour.